

Minuteman Minimum Essential Emergency Communications Network (MEECN) Program (MMP)

Changing Business Practices

24 Mar 99

Lt Col Wilson



Minuteman MEECN Program (MMP)

MMP Brief

- **MMP Program Description**
- **Why combine programs?**
 - **Cost**
 - **Schedule**
 - **Less impact on user**
- **Acquisition Reform Examples**
 - **ORD Addendum**
 - **SOO**
- **Why IPIC?**
 - **TSPR**
 - **ICBM Expertise**



MMP Program Description

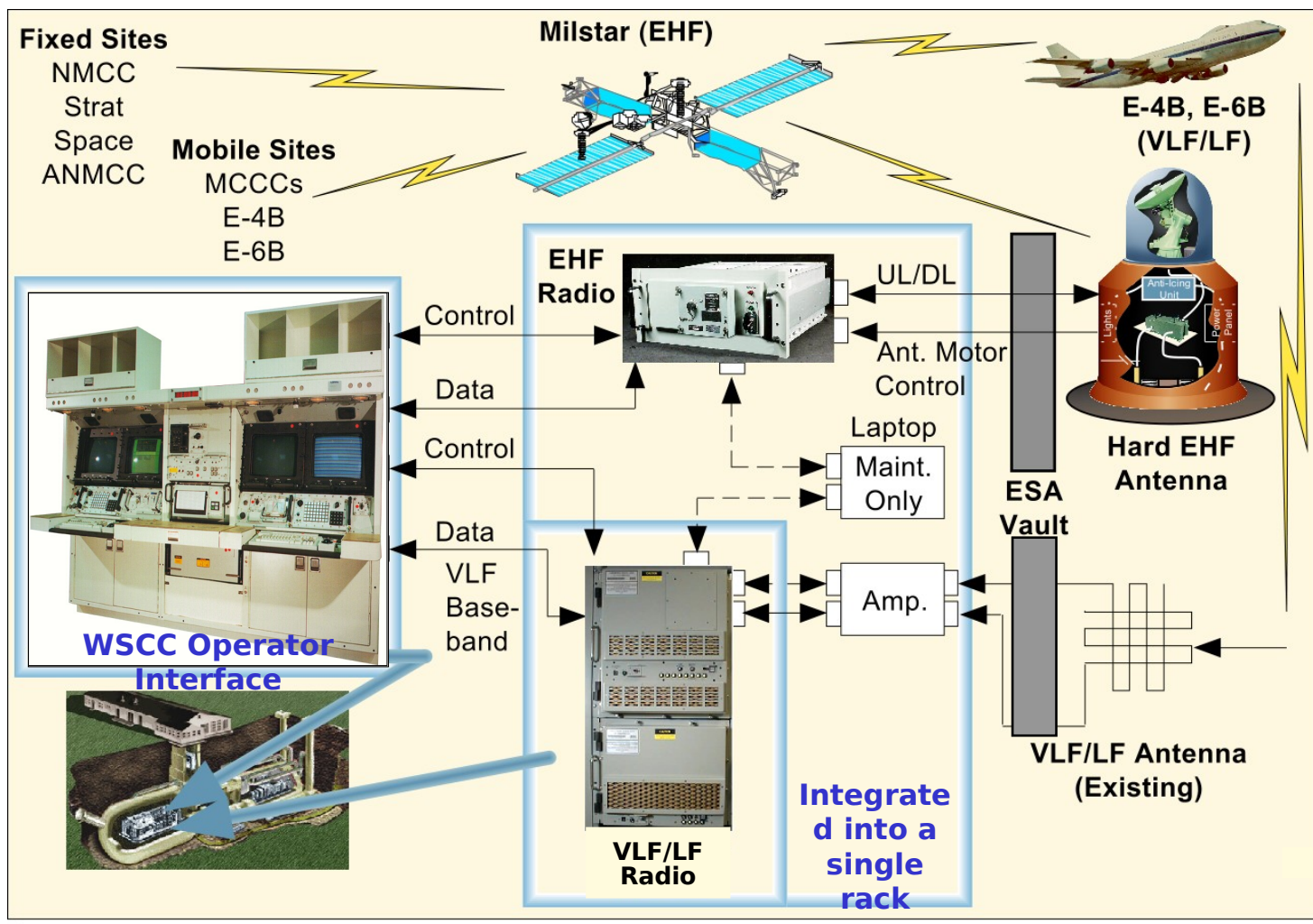
MMP Brief

- Upgrade ICBM LCC survivable communications
 - MEECN connectivity in EHF and VLF/LF Spectrum
 - EAM reception from JCS
 - Force Status Reportback (EHF only)
 - Survivable
- Integrated into ICBM system including trainers and all support facilities
 - Includes integration into Weapon System Control Console (WSCC) and Higher Authority Communications/Rapid Message Processing Element (HAC/RMPE)



Program Description

MMP Brief





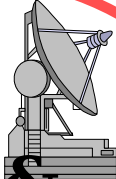
Why combine VLF and EHF LCC Programs?



Program History

MMP Brief

ILES



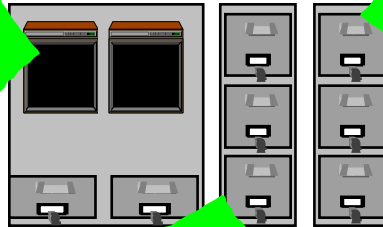
**Build &
Integrate
EHF
Capability**



MMRT

**Build &
Integrate
MMRT into
LCC, E4&E6**

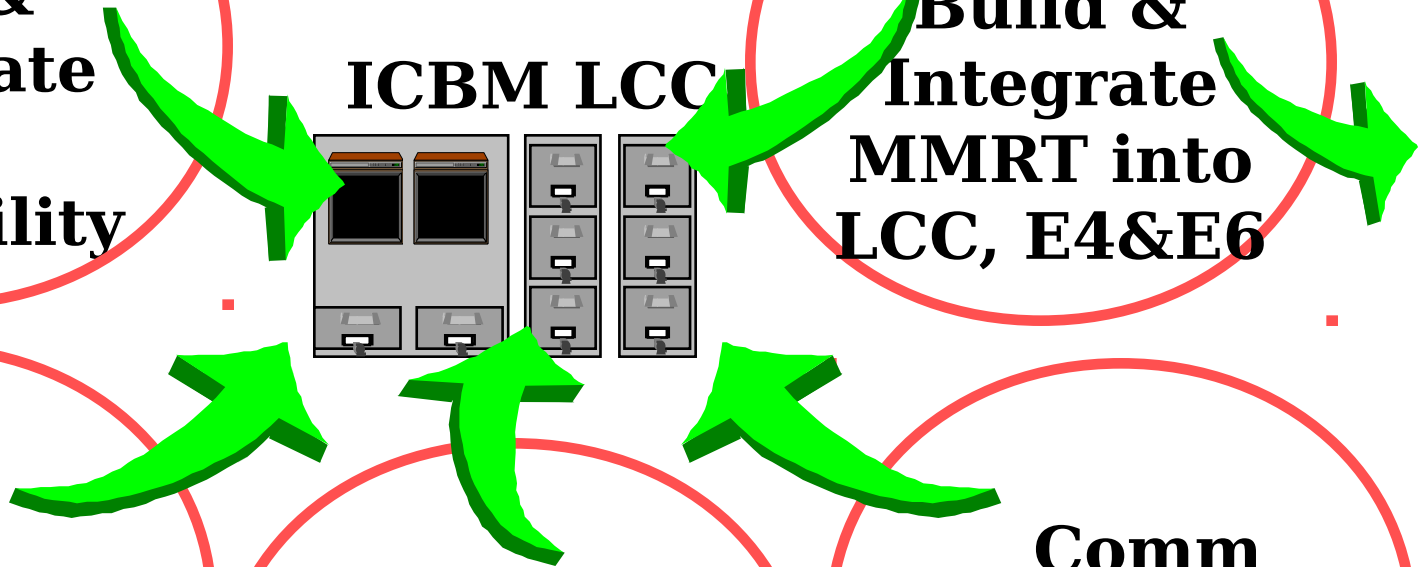
ICBM LCC



**Missile
Sustainment**

**LCC HW &
HAC/RMPE**

**Comm
Equipment
Sustainment**





MMP Acquisition Reform

Stove Pipe Approach

MMP Brief

MMRT (VLF)

ILES (EHF)

Cost:	Development	\$ 23.8M	\$ 46.9M
	Production	\$ 53.4M	\$ 67.7M

Schedule:	Development	12/98 - 8/01	12/98 - 11/00
	Production	9/01 - 10/03	12/00 - 12/02

Reuse E4/E6 Components

Innovative Approach

Combined VLF and EHF program -- MMP

TSPR Gives Responsibility to Prime

Minimize Operational Impact

Reduce Program Overhead Costs

Estimated Cost Savings:	\$9.6M
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Notional Schedule:	Development - 3/99 - 11/00
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Production	- 12/00 - 10/03
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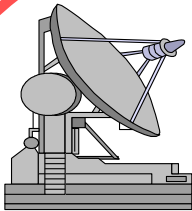
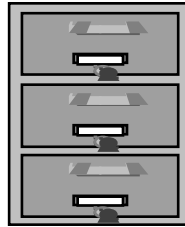
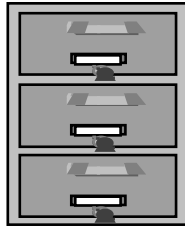
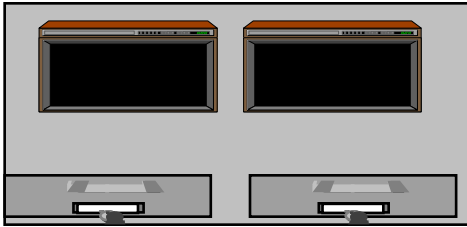
But in COTS/COTS G... ..



Program Today

MMP Brief

ICBM LCC



**Build & Integrate
EHF & VLF/LF
Capability**

Government Estimated Savings

EMD	- 0 -
Production	\$10 - 20 M

- Reduced LCC impacts
- Acceptance Tests Reduced
- Overhead reduced



Acquisition Reform Examples



Acquisition Initiatives

MMP Brief

- SOO and ORD/Addendum instead of SOW and SRD
 - Specify requirements vs solution
 - Contractor developed Integrated Management Plan (IMP)
- Award Fee
 - Tied to IMP/IMS - event vs calendar driven
- COTS/GOTS based solution - reduce acquisition schedule and program cost
- Total System Performance Responsibility



Why ICBM Prime Integration Contract (IPIC)?



Why the Evolution?

MMP Brief

- Total System Performance Responsibility
 - Minimize GFE & directed subcontractors
 - One Contract with complete responsibility
 - Reduce Government involvement
- Limited Gov't resources
 - Reduce number and size of program offices
 - Fewer contracts to maintain
- Reduce Technical Risk
 - Limit agencies involved in LCC S/W modification
 - Ensure one entity oversees entire ICBM system



Pros and Cons

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Options	Compete Entire Program			Use IPIC Ktr	Split Effort
	TRW competes (if no OCI)	TRW as directed Integration Sub	TRW as ASCON for ICBM "CCB"	competes Group A/B and integrates	competes Grp B - provides GFE
Mngmnt					
Acquisiti on					
Technica l					
Schedule					
Cost					

Legend: • CON • PRO ■ Key Distinguishing Factor

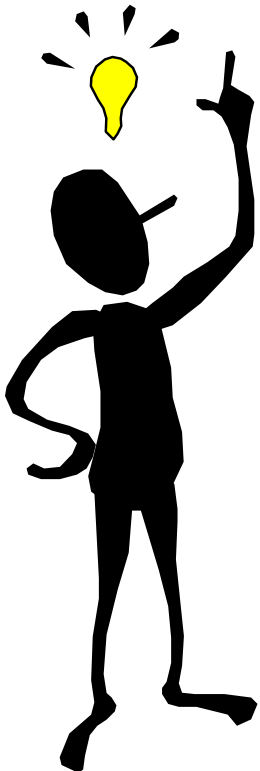


Acquisition Strategy

MMP Brief

Modify IPIC Contract

Include ILES effort



- **Maintain contractual ICBM TSPR**
 - Don't dictate IPIC Acquisition strategy
 - Delegate make/buy decisions to IPIC
 - Evaluate benefits of competition at
- **Develop MOA between PEO/C2 & P**
 - Maintain PM Responsibility at ESC
 - Form an IPT



Lessons Learned

MMP Brief

- ORD - Putting ORD on contract
 - Not all ORDs provide enough clarity for contract purposes --Addendum may be required
- Pre-Contract Agreement
 - Use judiciously
- GFE
 - Define clearly and up-front (don't promise what you can't deliver)
- MOAs
 - Very important if more than 1 SPO involved



Summary

MMP Brief

- Merging programs so far a success
 - Save money
 - Improve schedule
 - Reduce operational impact
- Modify IPIC Contract
 - Maintain contractual ICBM TSPR
 - Develop MOA between PEO/C2 & PEO/SP
- Acquisition Reform Principles